

Opening Plenary Day 1 Session of the 2001 HIV Prevention Program Evaluation Meeting

Moderator Carl Hill, MPH June 19, 2001 8:30 am – 9:30 am



Evaluation Guidance Update

June 19, 2001



- Evaluation activities in the Guidance are required under program announcement #99004
- Use revised "forms/variables"
- There are changes in race and ethnicity categories:
 - Hispanic or Latino
 - Not Hispanic or Latino
 - Ethnicity Unknown





Racial Categories

- American Indian or Alaska Native
- Asian
- Black or African American
- Native Hawaiian or Other Pacific Islander
- White
- More than One Race
- Race Unknown



Revisions to Budget Tables and Membership Grid

- Tables of Estimated Expenditures (Budget Tables) are now "Tables of Allocations" that are due in April
- The Tables of Allocations should reflect how funds were allocated the previous year, including allocations for HIV infected persons
- Profile of Community Planning Group Members (Membership Grid) is due in September
- There are now primary and secondary categories for representation
- Table on HIV risk by ethnicity and race now covers categories beyond MSM



First Year Data from Health Departments (HDs)

- Evaluation Plans
 - 62 HDs (95%) submitted some type of plan
 - 1 150 pages in length
 - 8 were "plans to plan"
 - 24% discussed lack of evaluation resources
 - 47% discussed outcome monitoring
 - 32% discussed mechanisms for receiving client feedback





Intervention Plan (IP) Data

- 36 HDs (55%) submitted IP data
- 2 6 risk populations were targeted across the 36 HDs; average of 5 risk populations
- Average number of proposed intervention types was 6
- Across all 36 HDs, all of the risk populations were targeted and all intervention types employed
- MSM was the most targeted population, and outreach was the intervention type used most frequently with MSM
- Mother with/at risk for HIV was the least targeted population

Process Monitoring (PM) and Other Data Submissions

- 19 HDs (29%) submitted PM data
- 13 HDs submitted both IP and PM data

 23 submitted only IP data while 6 submitted only PM data

24 HDs (37%) submitted neither IP nor PM data





Major Issues In Implementation of the Guidance

- Effects of varying levels of resources and evaluation capacity among HDs
- Differences between CDC's standard taxonomy for national data collection and local definitions
- Limitations regarding use of first year data





Lessons Learned from Year One

- Be Patient*
- Continue Stakeholder Involvement
- Strengthen Technical Assistance and Capacity Building Support

*But "raise the bar" each year: strive for high quality data



Status Report of Evaluation Guidance Data & Timetable of Evaluation Reporting and Analysis System (ERAS) Activities



Updated Evaluation Guidance

Available at PERB homepage
 (<u>www.cdc.gov/hiv/aboutdhap/perb/hdg.htm</u>)

 Review with Adobe Acrobat Reader (Version 5.0)





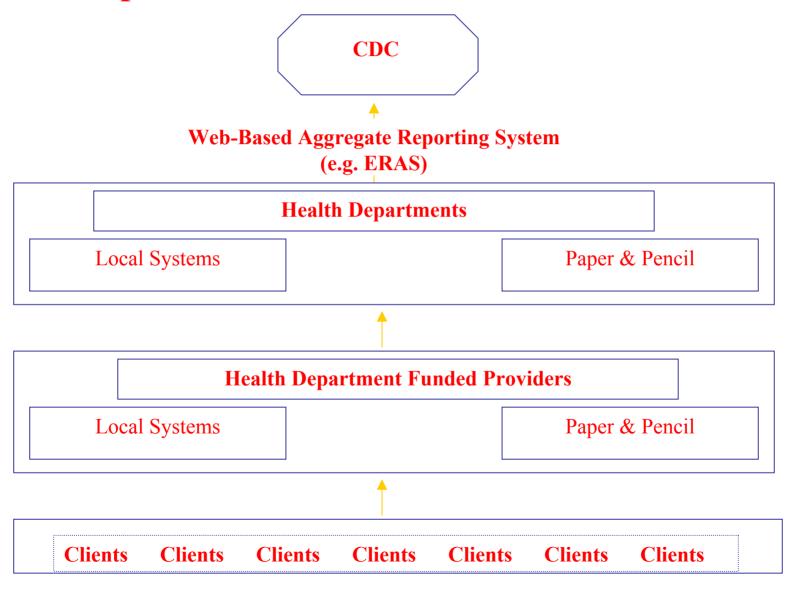
EG Data Management Update

Timetable of ERAS activities

Health Department software

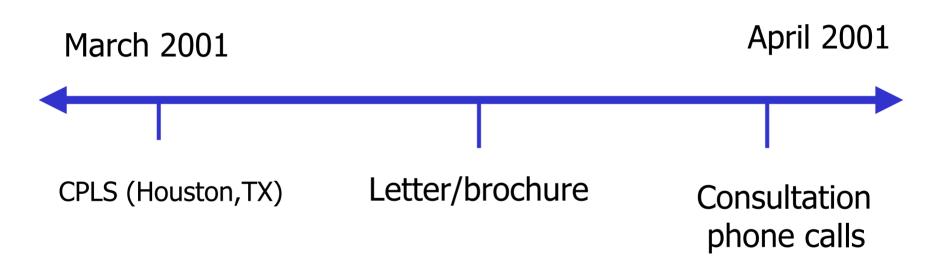


Flow Chart 1. Reporting Mechanisms for Health Department Evaluation Guidance Data



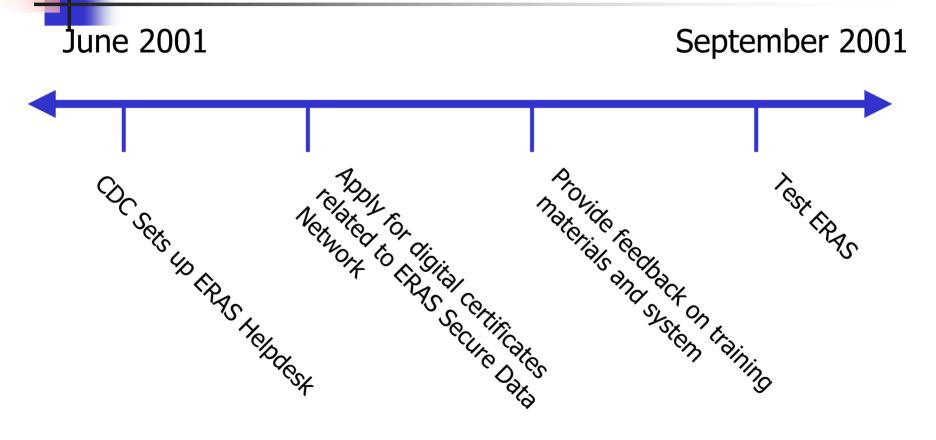
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Timetable of ERAS Activities





Timetable of ERAS Activities (Pilot Sites)





Timetable of ERAS Activities (All Health Departments)

September 2001

November 2001

ERAS Helpdesk operational

Apply for digital certificates to access ERAS

Release system for evaluation data submission

-Data submitted via ERAS or hard copies sent to CDC -Data can be viewed on-line -Obtain reports/analysis on-line





- 2 roundtable sessions at Swap Meet Tuesday, June 19 (3:30pm – 5:30pm)
- ERAS live demo
- ERAS questions and answer session

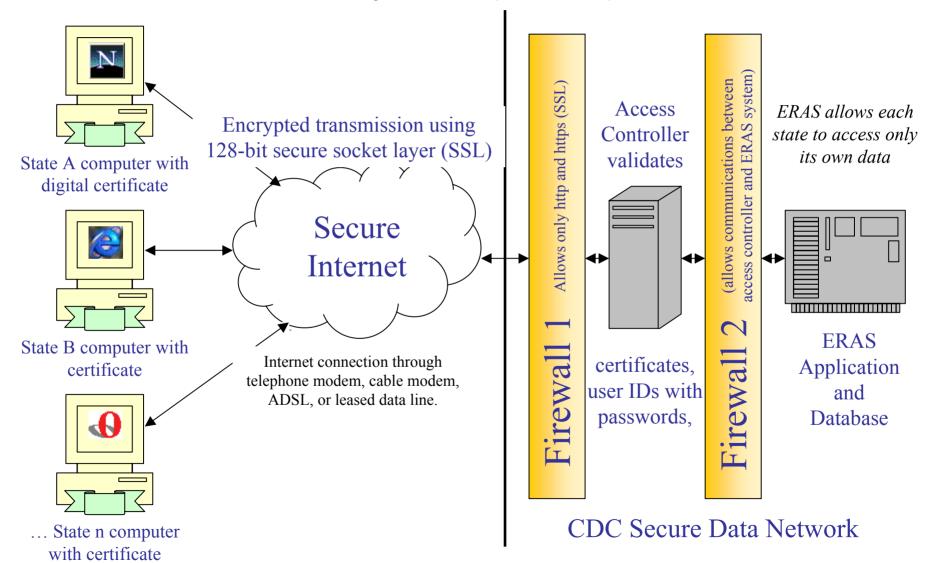


Evaluation Reporting and Analysis System

- Background and context
 - National Electronic Disease Surveillance System
 - www.cdc.gov/od/hissb/docs.htm
- Rationale for web-based design, and system requirements
- Preview of system layout
- Swap meet: 3:30 Montreal Room
 - Questions and system demo



Design of the Evaluation Reporting and Analysis System (ERAS)





ERAS Design Features

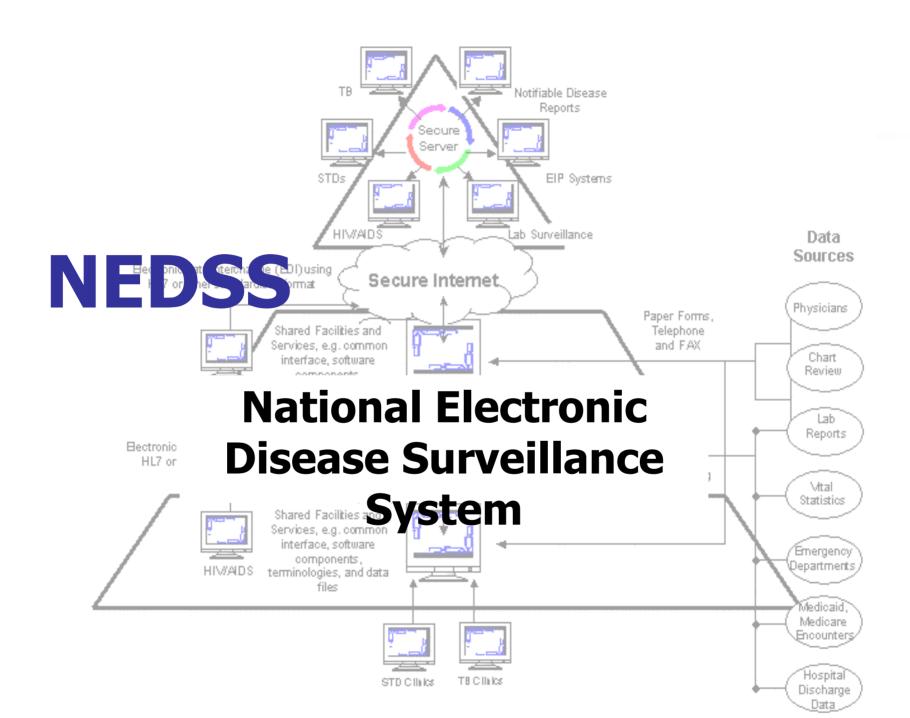
- Single copy of the application and a single database
- System is housed behind CDC firewall
- Access to system is authorized by digital certificates
- Data transmissions protected by encryption
- Data are validated as they're entered





ERAS Design Features

- Each state can access only their data
- Browser is a familiar user interface for most staff
 staff training is reduced
- No need for CDC to distribute software to states
- No need for states to install software or updates
- System components at states (i.e. browser) is already familiar to state support staff
- States can access system from any machine with an Internet connection



What Is NEDSS?

NEDSS is a set of shared standards – including data definitions, facilities, services and software — to be used across the public health enterprise.



The Long-term Wision

An electronic information system that automatically gathers health-related data from a myriad of sources on a 'real-time' basis, facilitating our ability to monitor the health of communities, perform ongoing analyses of trends, detect emerging public health problems, and use information for taking action or setting public health policy.



What NEDSS Is Not

NEDSS is not a single system but rather allows multiple systems to cooperate with one another.



NEDSS Allows Multiple Systems

NEDSS Framework

State/Local System tie-ins

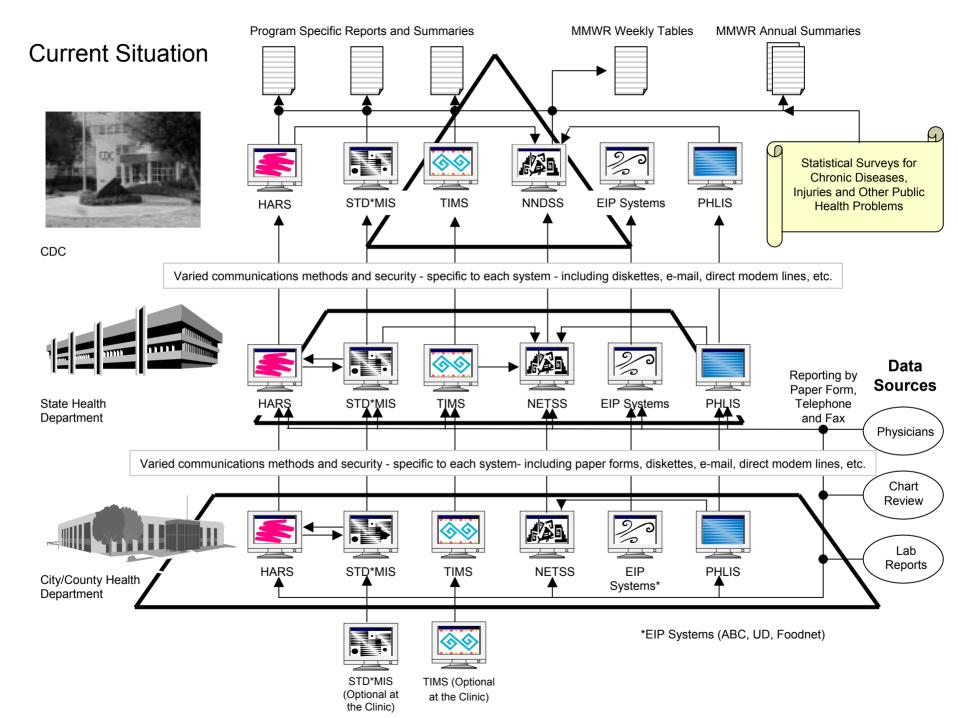
MO-MOSAIC NY-HIN KS-HAWK etc. CDC Developed Systems

IHSIS (HARS) STD*MIS TIMS NETSS
Bioterrorism
Emerging Infections
etc.

Why NEDSS? (Internal Drivers)

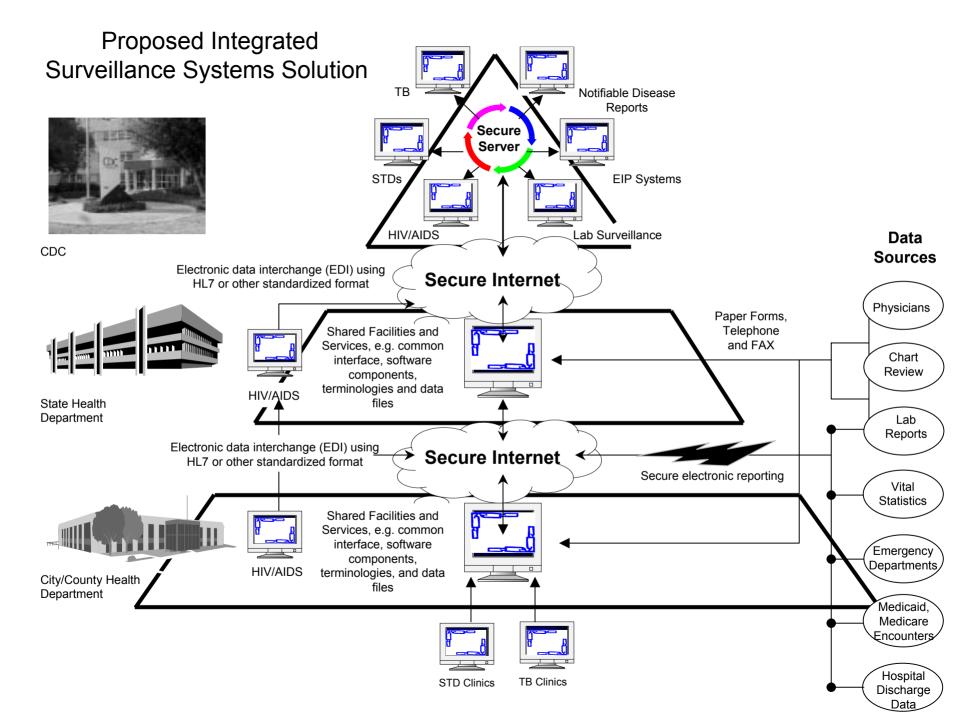


- CDC has developed ~90 surveillance systems, all different.
- State and local H.D. are requesting changes
 - more consistency in CDC applications, and
 - flexibility to use their own.
- Internally CDC is duplicating efforts.



Why NEDSS? (External Drivers).

- More and more data are being managed electronically.
- The Health Insurance Portability and Accountability Act (HIPAA) mandates standards.
- Technology is improving rapidly.
- Need to use these opportunities to improve completeness, timeliness, quality and utility of surveillance data.



Key Areas for NEDSS Standards

- Data
- User Interface
- System Architecture

NEDSS Data Architecture

Public Health Conceptual Data Model (PHCDM) Party
Health- Related
Activity

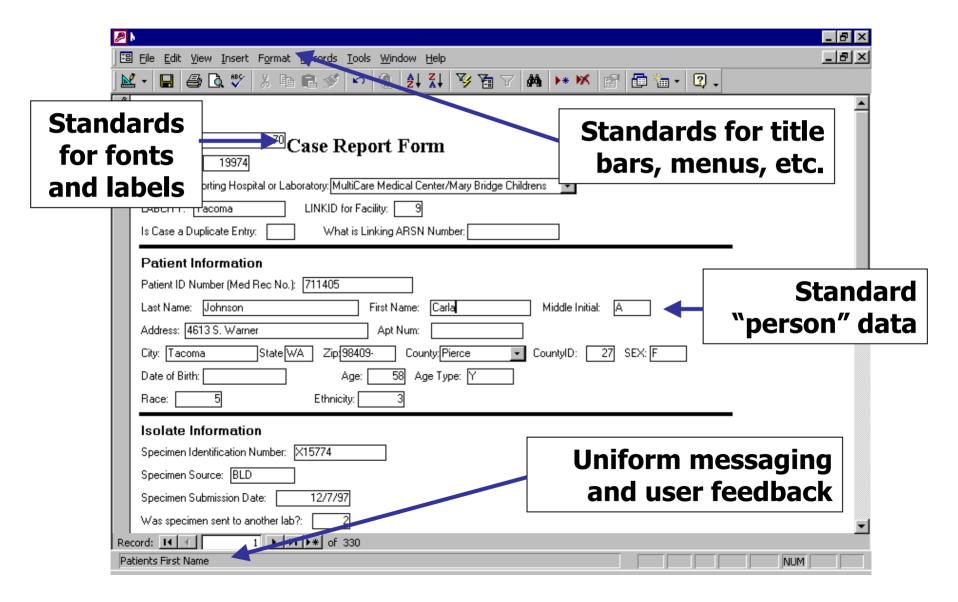
Location
Material

CIPHER Data Standards

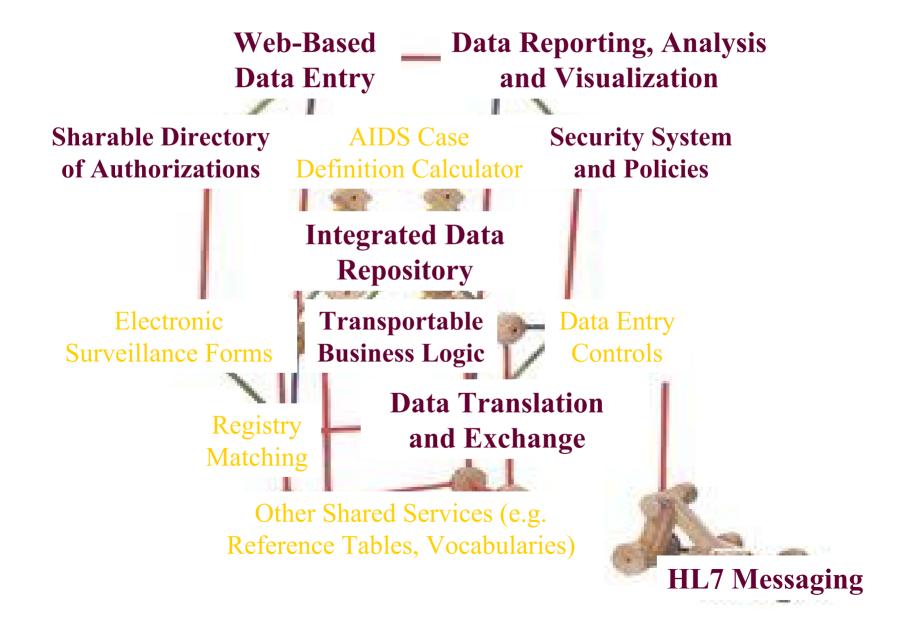
$$Yes=Y, No=N$$

Core Demographic Data Current Name+Aliases, Current Address+Others, Sex, Race, etc.

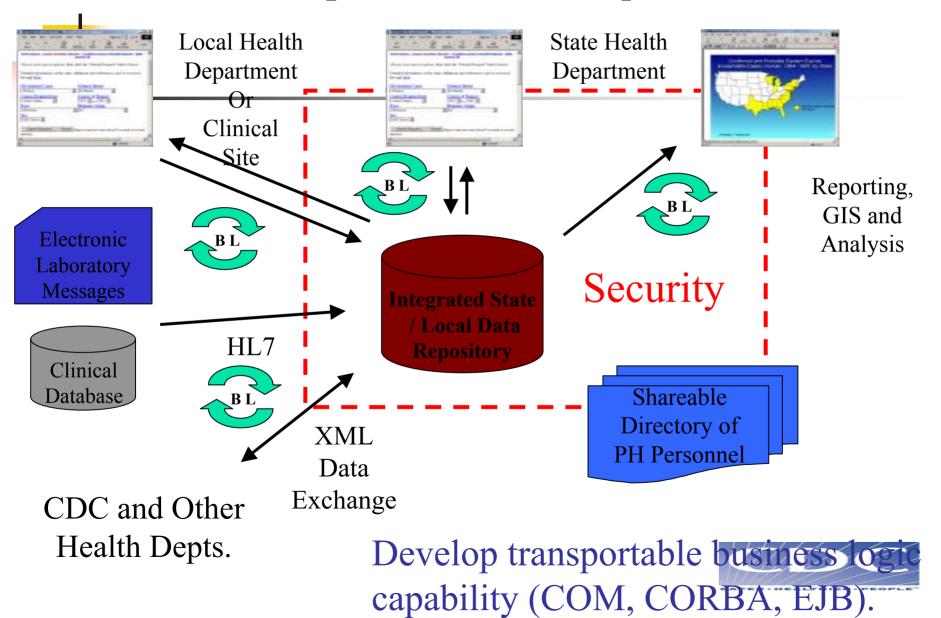
Standard User Interface



NEDSS Architecture Elements and Services

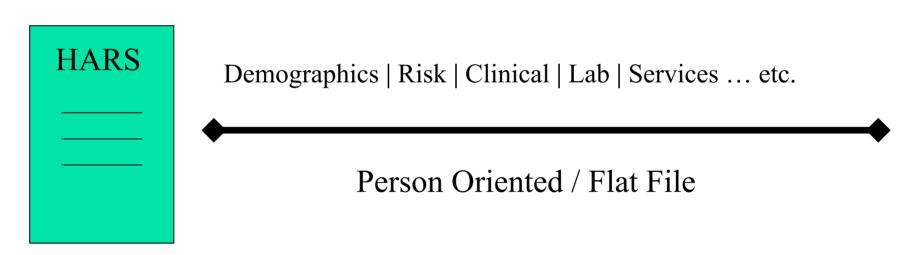


NEDSS System Components

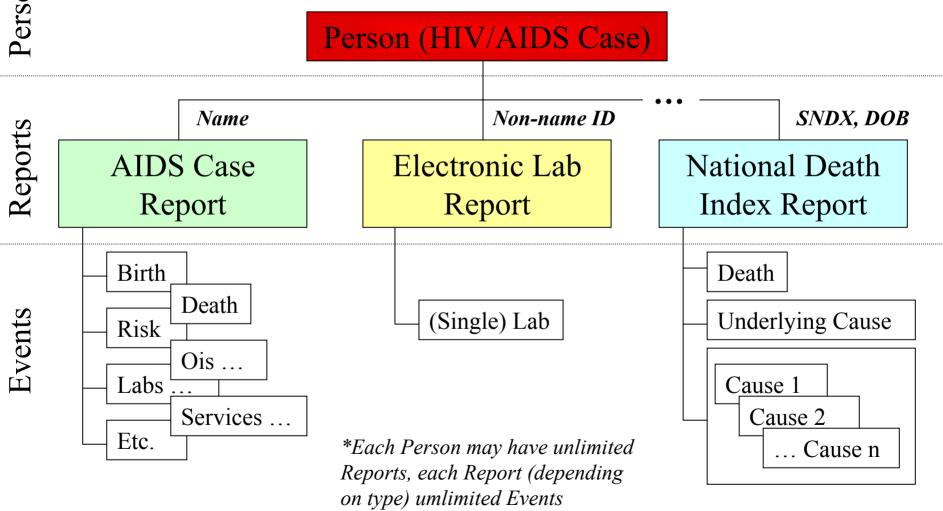


Data Architecture

Old



IHSIS Data Format Report Based, Event Oriented*

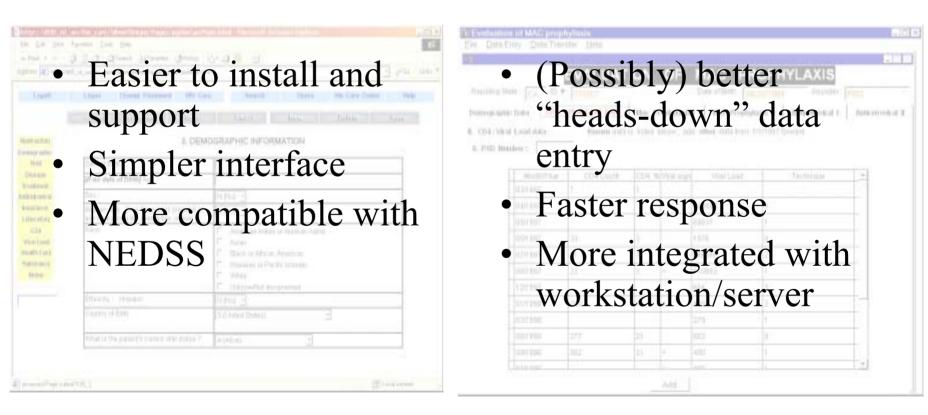


User Interface

-- To Browse or Not To Browse --

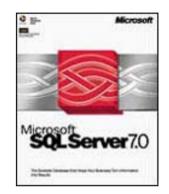
Browser

Non-Browser



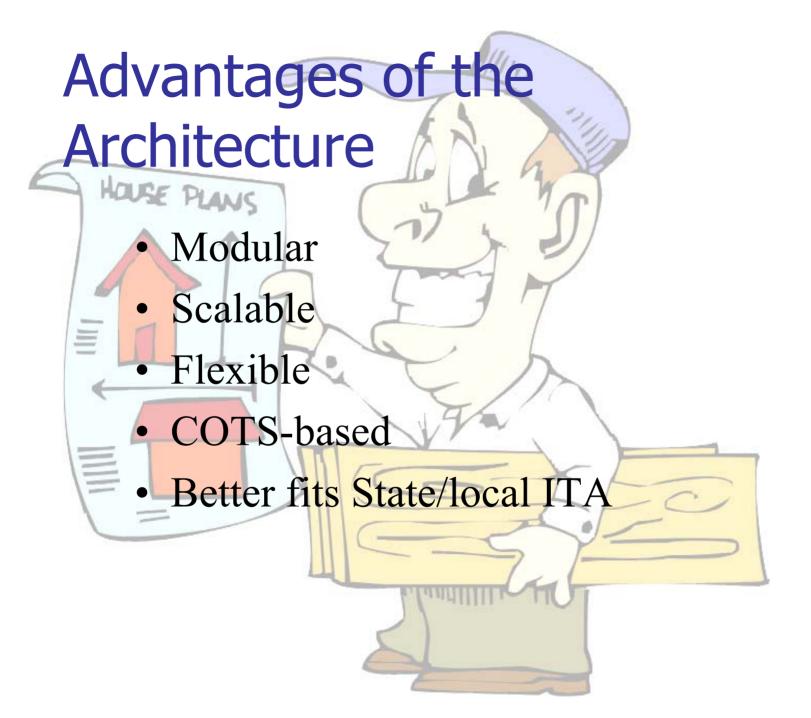
IHSIS Application Architecture

- Microsoft (or other) SQL Server
 - NEDSS Core Demographic Data
- Java Web Application
 - Silverstream Application Server
- Eclipsys eLink for EDI
- SAS for Data Analysis and Reporting



VASilverStream®





Security and Confidentiality

- NEDSS will raise the bar for most all CDCdeveloped systems.
- Integrated data repository does <u>not</u> necessarily mean a shared database.
- Web technology is <u>not</u> the same thing as the public Internet.
- Health departments must still deploy IHSIS in ways that assure appropriate uses of data.